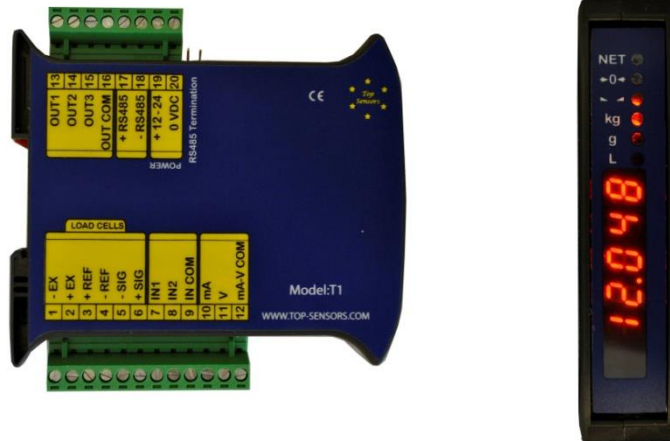


Type T1 weight transmitter



Short description



- Weight transmitter and indicator for Omega/Din rail mounting
- Suitable for back panel
- Six-digit semi alphanumeric display
- 7 segment 8 mm height LED
- On board terminals for 1, 4 or 6 wire load cell



Certificate no. DK 0199.367
OIML R76: 2006

Available models

| Model | Full article description | Part number |
|-------|---|-------------|
| T1 | Top-Sensors T1 weight transmitter analog/dig DIN rail | 8003050 |

Detailed specifications T1 weight transmitter

- 0.2 $\mu\text{V}/\text{VSI}$, 10.000 divisions range.
- 0.01 $\mu\text{V}/\text{VSI}$, 1.000.000 divisions range (for internal use).
- Opto-isolated 16-bit analog output (4-20mA (max 300 ohm), 0-20mA, 0-10V, +/-10V, 0-5V, +/-5V (minimum 10 Kohm)).
- Serial port RS485 for connection to PC/PLC by ASCII or Modbus RTU.
- Optional protocols: Profibus DP, Ethernet/Modbus TCP/IP, USB through converter, Can-open and Profinet
- 3 mechanical-relay digital outputs
- 2 opto-isolated digital inputs.

Specifications and dimensions are subject to change without notice and do not constitute any liability whatsoever.

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Nr. 2016.10 T1 weight transmitter Rev4

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info@top-sensors.nl

<http://www.top-sensors.com>

Type T1 weight transmitter



Technical features:

| | |
|--|---|
| Power supply and consumption | 12 - 24 VDC +/- 10% ; 5 W |
| Number of Load Cells in parallel and supply | max 8 (350 ohm) ; 5VDC/120mA |
| Linearity and linearity of the analog output | < 0.01% Full Scale ; < 0.01% Full Scale |
| Thermal drift and thermal drift of the analog output | < 0.0005 % Full Scale /°C ; < 0.003% Full Scale /°C |
| A/D Converter | 24 bit (ca 16.000.000 points) 4.8 kHz |
| Max divisions (with measure range: +/- 10mV =2mV/V) | +/- 999999 |
| Measure range | +/- 39 mV |
| Maximum Load Cells sensitivity | +/- 7 mV/V |
| Maximum conversions per second | 300 conversions/sec. (300 Hz) |
| Display range | - 999999 ; + 999999 |
| Decimals / Display increments | 0 - 4 ; x 1 x 2 x 5 x 10 x 20 x 50 x 100 |
| Digital filter / Conversion rate | 0.012 - 7 sec ; 5 - 300 Hz |
| Logic relay outputs | N.3 - maximum 115 VAC / 150mA |
| Logic inputs | N.2 - opto-isolated 5 - 24 VDC PNP |
| Serial port | RS485 (ASCII or Modbus RTU) |
| Baud rate | 2400, 4800, 9600, 19200, 38400, 115200 |
| Humidity (condensate free) | 85% |
| Storage temperature range | - 30°C + 80°C |
| Working temperature range | - 20°C + 60°C |
| Working temperature range approved (CE-M APPROVED) | - 10°C + 40°C |
| Dimensions (W x L x H) | 25 x 115 x 120 mm |

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2/2

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